

## **Current Control Via a Variable Voltage Snubbing Network**

### **ABSTRACT OF THE DISCLOSURE**

System and method for controlling current across a load. A preferred embodiment comprises a current varying circuit (such as current varying circuit 525) that can create a sequence of voltage drops in a driver circuit (such as the driver circuit 505) coupled to an inductive load (such as the inductive load 535). By initially producing a large voltage drop and then stepping the voltage drop down gradually, the current in the inductive load can be rapidly removed without producing a current undershoot, which, in certain applications, can result in unwanted noise and vibration.